



08-23-03

PTO/SB/21 (08-03)

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TRANSMITTAL FORM

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		Application Number	10/602,235
		Filing Date	June 24, 2003
		First Named Inventor	Olga A. Cabello
		Art Unit	N/A
		Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission	1	Attorney Docket Number	HO-P02494US1

ENCLOSURES (Check all that apply)

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Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	FULBRIGHT & JAWORSKI L.L.P. Melissa L. Sistrunk
Signature	
Date	September 22, 2003

Transmittal

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Dated: September 22, 2003 Signature: Annette Devereux
(Annette Devereux)

Docket No.: HO-P02494US1
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Olga A. Cabello, et al.

Application No.: 10/602,235

Filed: June 24, 2003

Art Unit: N/A

For: INHIBITION OF GENE EXPRESSION IN
VERTEBRATES USING DOUBLE-
STANDED RNA (RNAi)

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed within three months of the U.S. filing date (37 CFR 1.97(b)(1)).

A copy of each reference on PTO/SB/08 is attached.

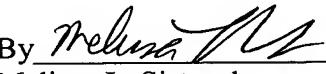
In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

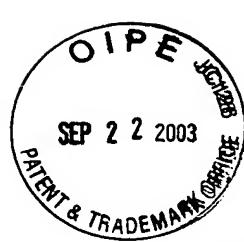
It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 06-2375, under Order No. HO-P02494US1. A duplicate copy of this paper is enclosed.

Dated: September 22, 2003

Respectfully submitted,

By 
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PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO				Complete if Known	
				Application Number	10/602,235
				Filing Date	June 24, 2003
				First Named Inventor	Olga A. Cabello
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	HO-P02494US1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
AA	US-20020086356-A1	07-04-2002	Tuschl et al.		
AB	US-20020173478-A1	11-21-2002	Gewirtz		
AC	US-20020162126-A1	10-31-2002	Beach et al.		
AD	US-20030084471-A1	05-01-2003	Beach et al.		
AE	US-6,573,099-B2	06-03-2003	Graham		

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			
BA	WO-9949029-A1		09-30-1999	AG-GENE Australia Ltd.	
BB	WO-0168836-A2		09-20-2001	Genetica, Inc	
BC	WO-0170949-A1		09-27-2001	Benitec Australia Ltd.	
BD	WO-0175164-A2		10-11-2001	Whitedhead Institute For Biomedical Research et al	
BE	WO-0244321-A2		06-06-2002	Maxplanck-Gesellschaft Sur Forderung Der Wissenschaften E.V.	
BF	WO-03006477-A1		01-23-2003	University of Massachusetts	
BG	WO-03012052-A2		02-13-2003	The Government of the United States of America as Represented by the Secretary of the Department of Health and Human Services	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

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NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
CA	Wilson et al., "Importance of Structural Differences between Complementary RNA Molecules to Control of Replication of an IncB Plasmid," Journal of Bacteriology Vol. 179, No. 3, February 1997, pp. 742-753.				
CB	Fire et al., "Potent and Specific Genetic Interference by Double-Standard RNA in <i>Caenorhabditis Elegans</i> ," Nature Vol. 391, February 19, 1998, pp. 806-811.				
CC	Franch et al, "Antisense RNA Regulation in Prokaryotes: Rapid RNA/RNA Interaction Facilitated by a General U-turn Loop Structure," J. Mol. Biol. 294, 1999, pp. 1115-1125.				
CD	Kennerdell et al, "Heritable gene Silencing in <i>Drosophila</i> Using Double-Stranded RNA," Nature Biotechnology Vol. 17, July 2000, pp. 896-898.				
CE	Caplen et al, "Specific Inhibition of Gene Expression by Small Double-Stranded RNAs in Invertebrate and Vertebrate Systems," PNAS Vol. 98, No. 17, August 14, 2001, pp. 9742-9747.				

Examiner Signature	Date Considered
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PTO/SB/08A (10-01)
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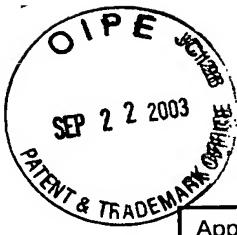
Substitute for form 1449A/PTO				C mplete if Known	
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Sheet	2	of	2	Attorney Docket Number	HO-P02494US1

	CF	Zamore, Phillip, "RNA Interference: Listening to the Sound of Silence," Nature Structural Biology Vol. 8 No. 9, September 2001, pp. 746-750.	
	CG	Reik et al, "Biotechnologies and Therapeutics: Chromatin as a Target," Current Opinion in Genetics & Development 12, 2002, pp. 233-242.	
	CH	Hutvagner et al., "RNAi: Nature Abhors a Double-Strand," Current opinion in Genetics & Development 12, 2002, pp.225-232.	
	CI	Hamamda et al., "Effects on RNA Interference in Gene Expression (RNAi) in Cultured Mammalian Cells of Mismatches and the Introduction of Chemical Modifications at the 3'-Ends of siRNAs," Antisense and Neucleic Acid Drug Development 12, 2002, pp.301-309.	
	CJ	Hasuwa et al, "Small Interfering RNA and Gene Silencing in Transgenic Mice and Rats," FEBS Letters 532, 2002, pp. 227-230.	
	CK	RNA Interference, Cosuppression and Related Phenomena Conference, Frebruary 21-26, 2002.	
	CL	Paul et al., "Effective Expression of Small Interfering RNA in Human Cells," Nature Biotechnology Vol. 29, May 2002, pp.505-508.	
	CM	Leirdal et al., "Gene Silencing in Mammilian Cells by Performed Samll RNA Duplexes," Biochemical and Biophysical Research Communications 295, 2002, pp. 744-748.	
	CN	Check, "Patent Flurry Casts Cloud Over Gene Silencing," Nature 417, June 20, 2002, pp. 779.	
	CO	Hannon, "RNA Interference," Nature Vol. 418, July 11, 2002, pp.244 - 251.	
	CP	Yu et al., "Simultaneous Inhibition of GSK3 a and GSK3B Using Hairpin si RNA Expression Vectors," Molecular Therapy Vol. 7, No. 2 , February 7, 2003, pp. 228 - 236.	
	CQ	Stewart et al., "Lentivirus-Delivered Stable Gene Silencing by RNAi in Primary Cells," RNA Vol. 9, no. 4, 2003, pp. 493-501.	
	CR	Kawasaki et al., "Short Hairpin Type of dsRNAs that are Controlled by tRNA _{Val} Promoter Significantly Induce RNAi-mediated Gene Silencing in the Cytoplasm of Human Cells," Nucleic Acid research Vol. 31, No. 2, 2003, pp. 700-707.	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Application No. (if known): 10/602,235

Attorney Docket No.: HO-P02494US1

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